



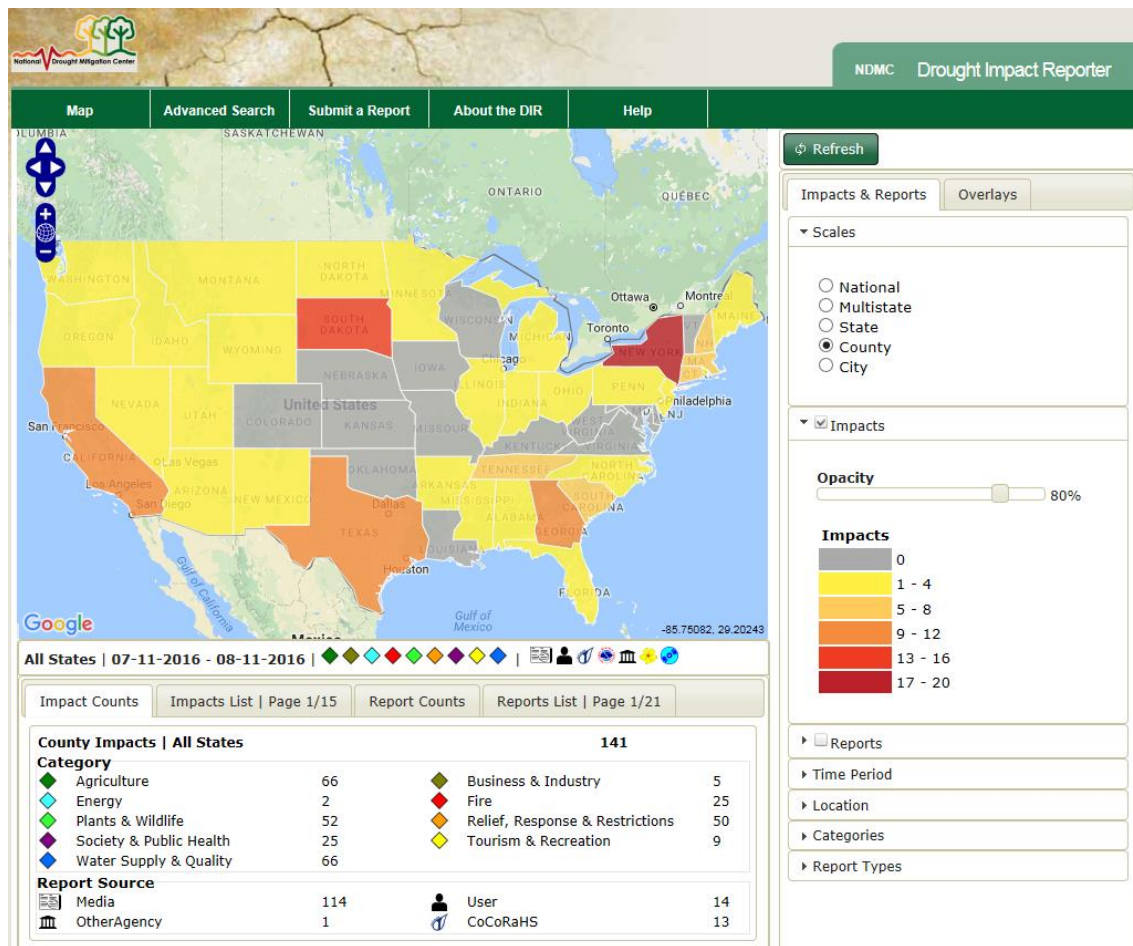
## Water and Climate Update

August 11, 2016

The Natural Resources Conservation Service produces this weekly report using data and products from the [National Water and Climate Center](#) and other agencies. The report focuses on seasonal snowpack, precipitation, temperature, and drought conditions in the U.S.

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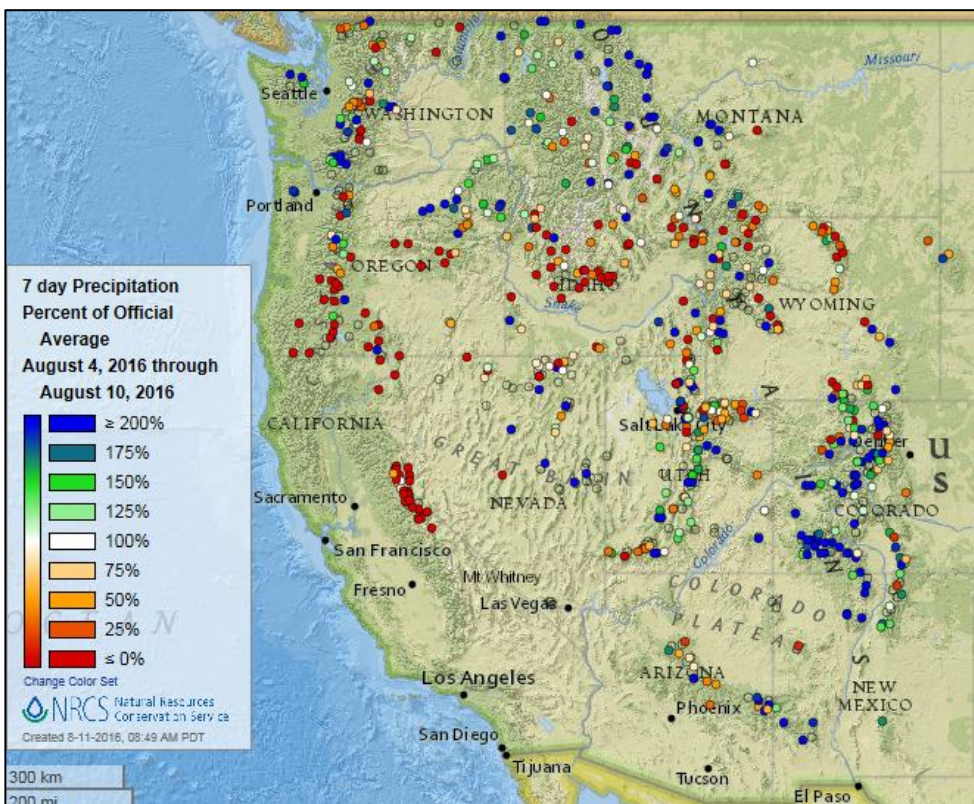
## Drought Impact Reports Increase in the Midwest and East



The Drought Impact Reporter of the National Drought Mitigation Center illustrates drought impact reports increasing across the Midwest, and East, with the main information reported in media outlets. Drought impact reports are concentrated in the areas of drought relief, response and restrictions, agriculture, water supply and quality, and plants and wildlife.

## Precipitation

### Last 7 Days, Western Mountain Sites (NRCS SNOTEL Network)

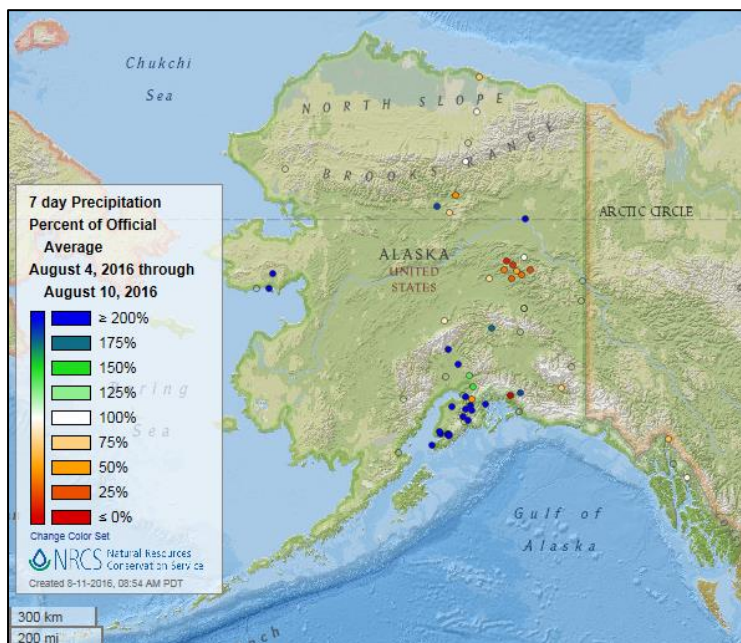


[7-day  
precipitation  
percent of  
average map](#)

**See also:** [7-day  
total  
precipitation  
values \(inches\)  
map](#)

[Alaska 7-day precipitation percent of  
average map](#)

**See also:** [Alaska 7-day total  
precipitation values \(inches\) map](#)





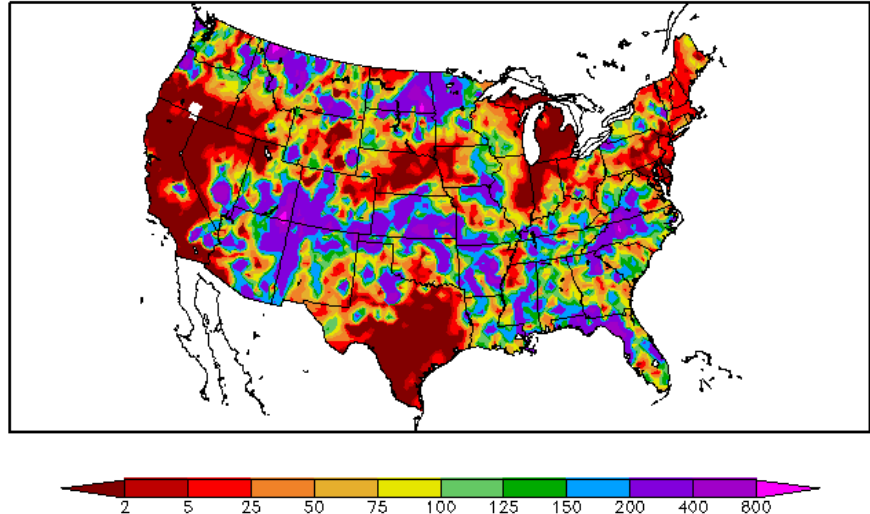
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-dy precipitation percent of normal map](#) for the continental U.S.

**See also:** [7-day total precipitation values \(inches\) map](#)

Percent of Normal Precipitation (%)  
8/4/2016 – 8/10/2016



Generated 8/11/2016 at HPRCC using provisional data.

Regional Climate Centers

Month-to-Date, All Available Data Including SNOTEL and NWS Networks

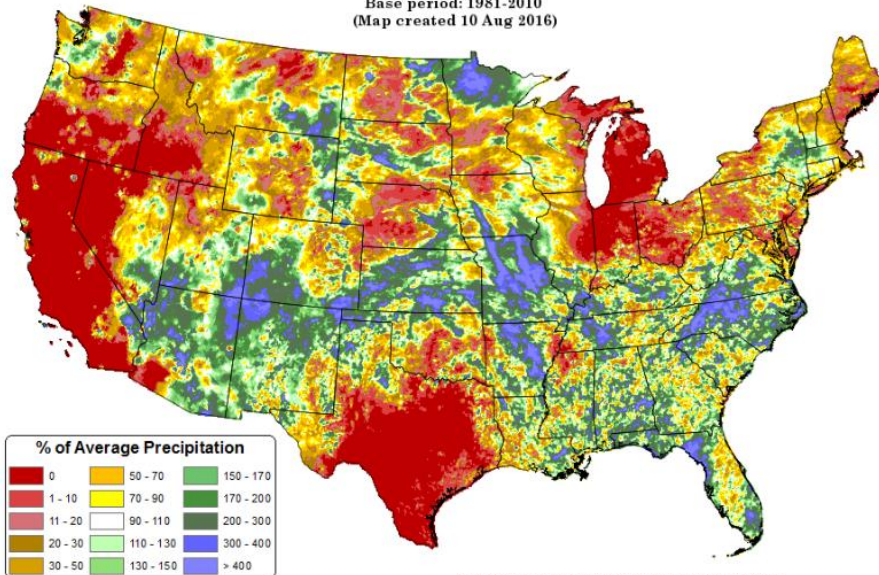
Source: PRISM

Total Precipitation Anomaly: 01 August 2016 - 09 August 2016

Period ending 7 AM EST 09 Aug 2016

Base period: 1981-2010

(Map created 10 Aug 2016)

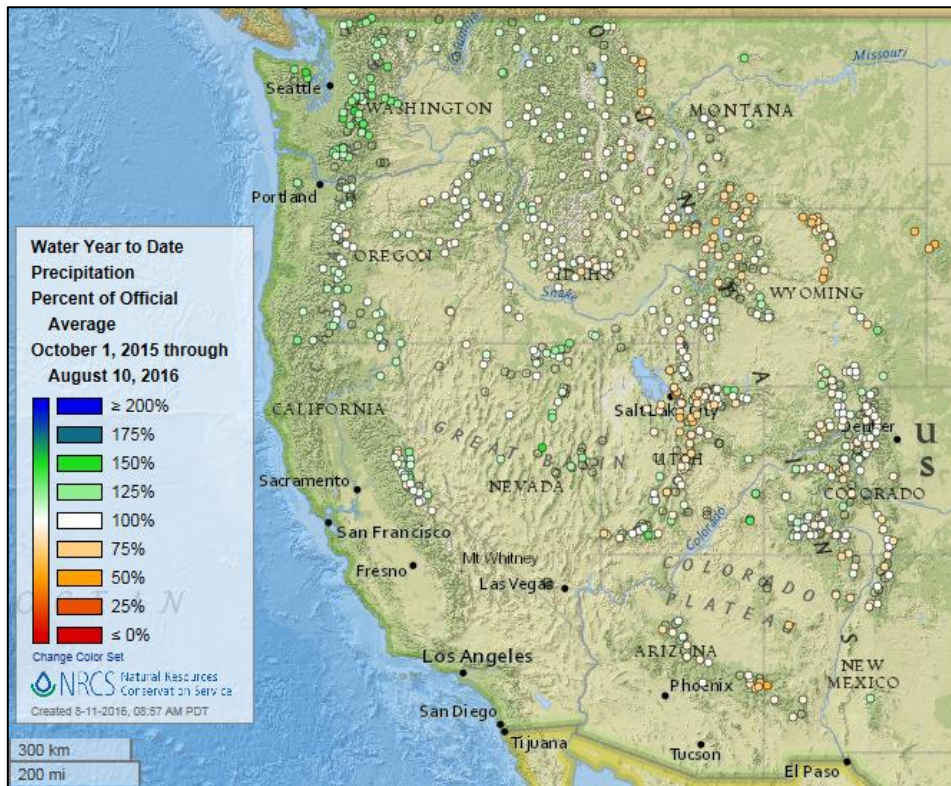


Copyright (c) 2016, PRISM Climate Group, Oregon State University

[Month-to-date national precipitation percent of average map](#)

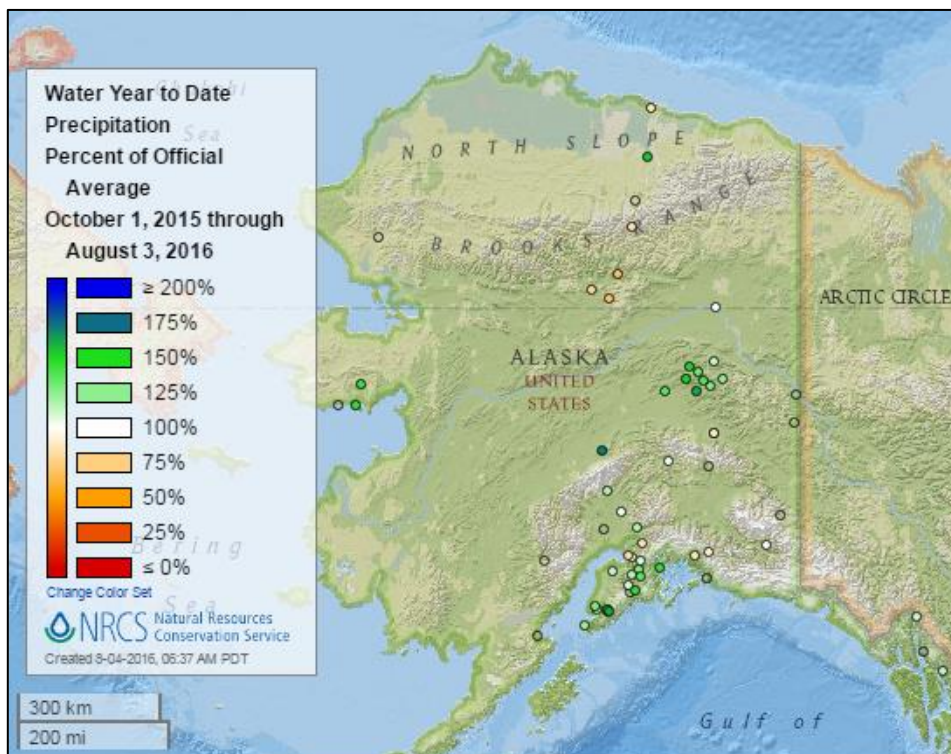
**See also:** [Month-to-date national total precipitation values \(inches\) map](#)

Water Year-to-Date, Western Mountain Sites (NRCS SNOTEL Network)



[2016 water year-to-date precipitation percent of average map](#)

**See also:** [2016 water year-to-date precipitation values \(inches\)](#)



[Alaska 2016 water year-to-date precipitation percent of average map](#)

**See also:** [Alaska 2016 water year-to-date precipitation values \(inches\) map](#)



## Temperature

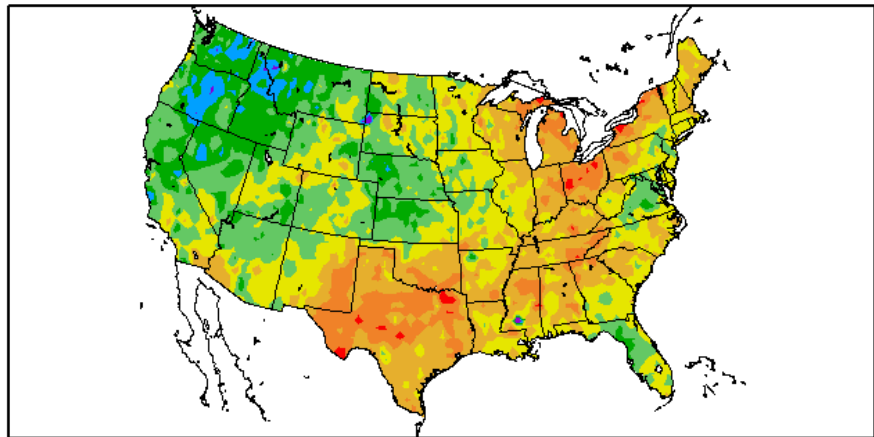
### Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day temperature anomaly map](#) for the continental U.S.

See also: [7-day temperature \(°F\) map](#)

Departure from Normal Temperature (F)  
8/4/2016 – 8/10/2016



Generated 8/11/2016 at HPRCC using provisional data.

Regional Climate Centers

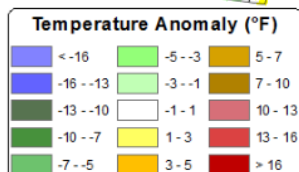
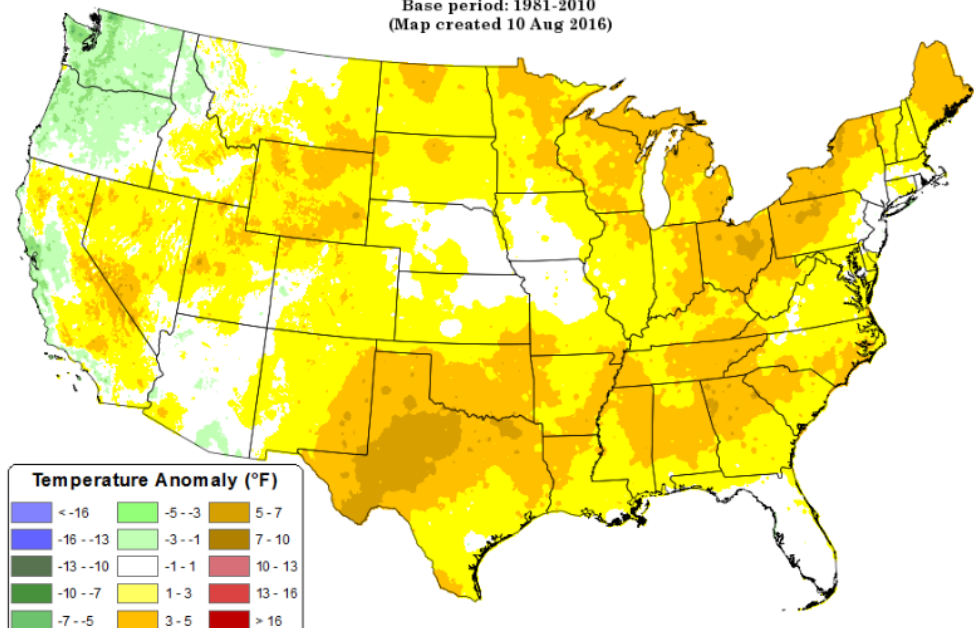
### Month-to-Date, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

[Month-to-date national daily mean temperature anomaly map](#)

See also: [Month-to-date national daily mean temperature \(°F\) map](#)

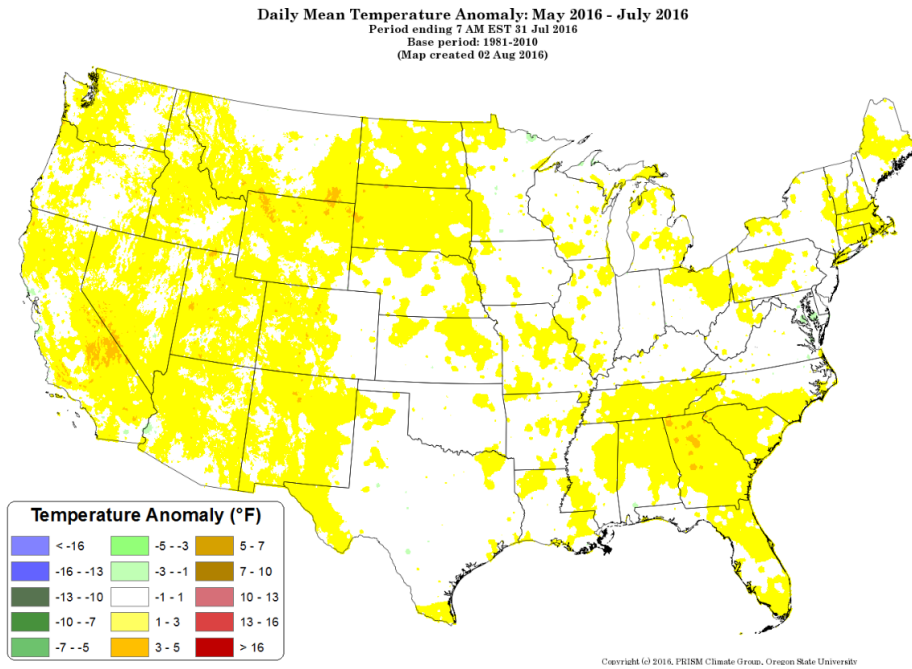
Daily Mean Temperature Anomaly: 01 August 2016 - 09 August 2016  
Period ending 7 AM EST 09 Aug 2016  
Base period: 1981-2010  
(Map created 10 Aug 2016)



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Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM



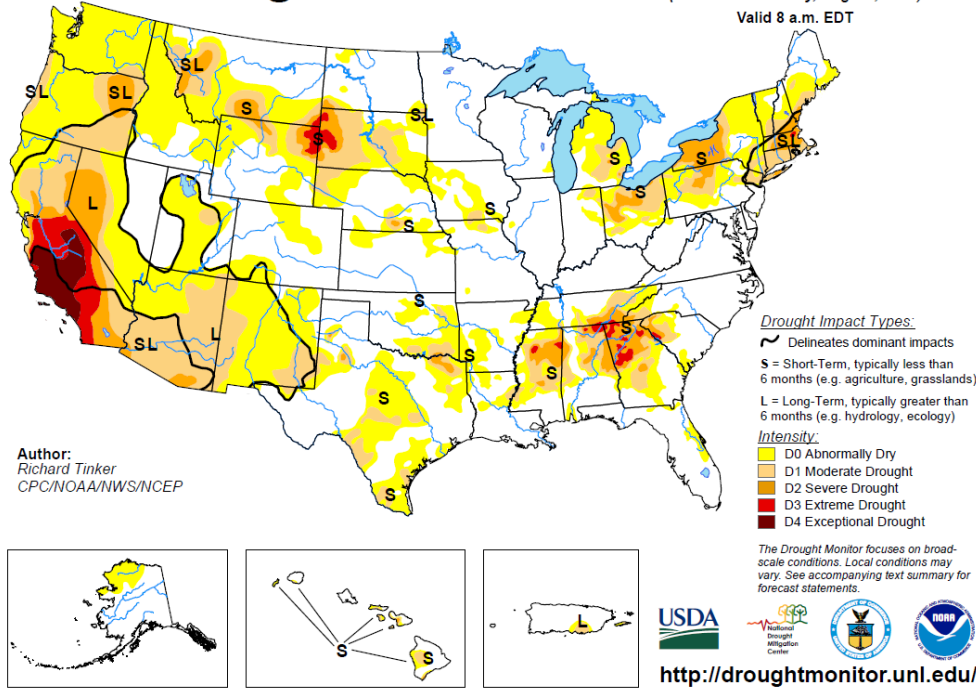
## Drought

[U.S. Drought Monitor](#) See map below.

[U.S. Drought Portal](#) Comprehensive drought resource.

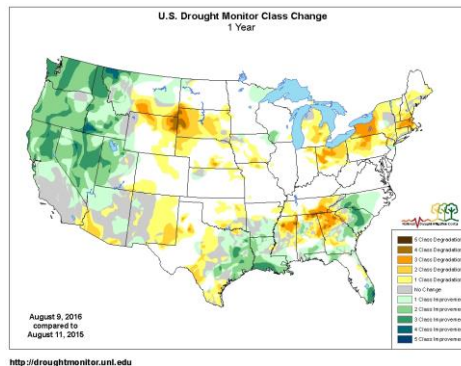
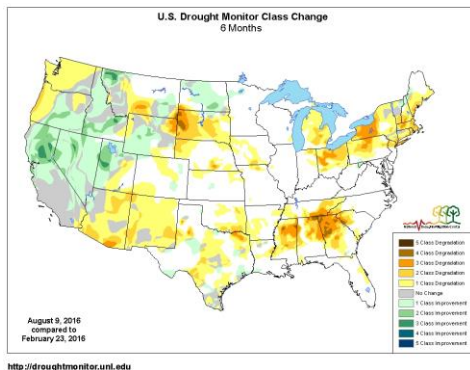
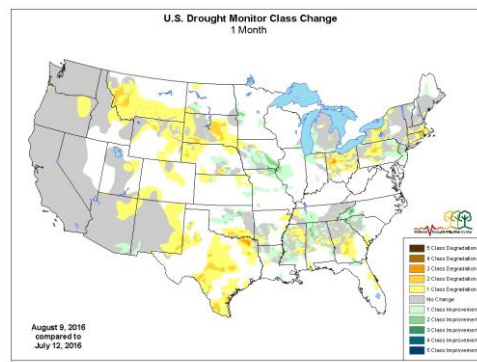
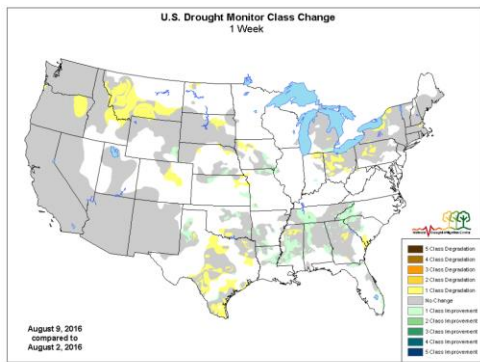
### U.S. Drought Monitor

August 9, 2016  
(Released Thursday, Aug. 11, 2016)  
Valid 8 a.m. EDT



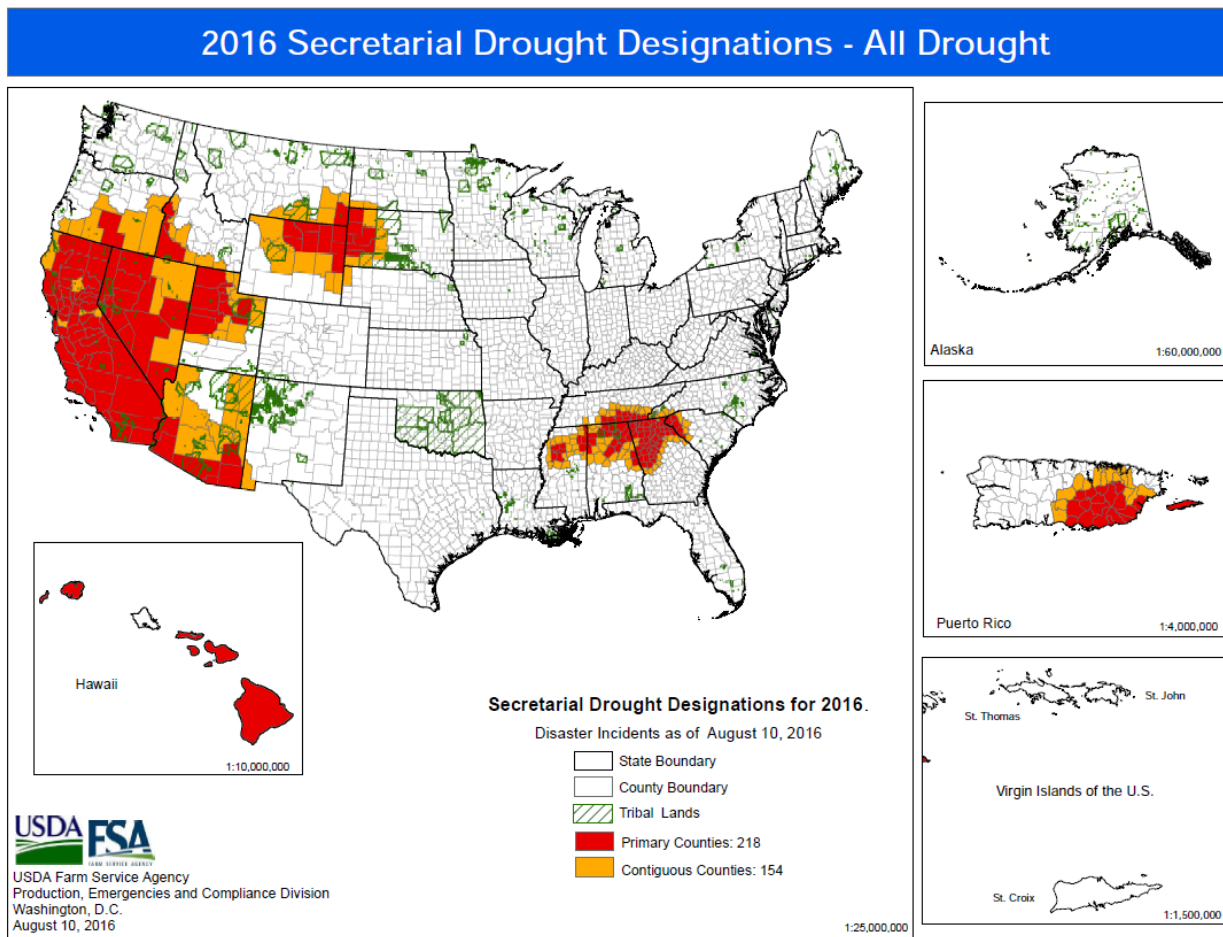
### Changes in Drought Monitor Categories over Time

Click any map to enlarge



[Changes in drought conditions over the last 12 months](#)

## USDA 2016 Secretarial [Drought Designations](#)



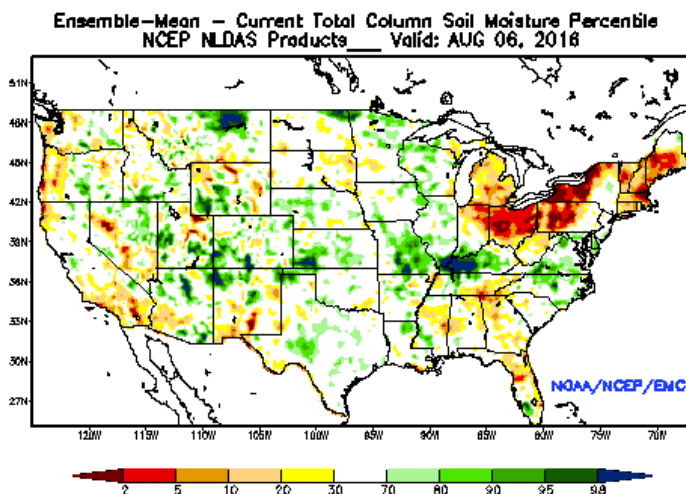
### Highlighted Drought Resources

- [Drought Impact Reporter](#)
- [Quarterly Regional Climate Impacts and Outlook](#)
- [U.S. Drought Portal Indicators and Monitoring](#)
- [U.S. Population in Drought, Weekly Comparison](#)
- [USDA Disaster and Drought Information](#)



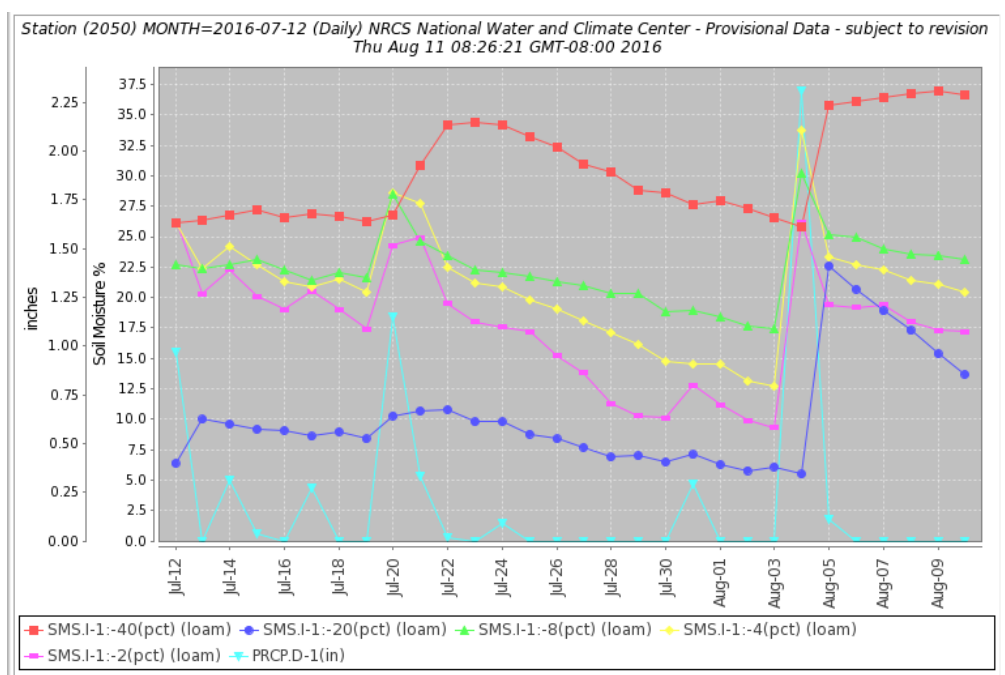
## Other Climatic and Water Supply Indicators

### Soil Moisture



[Modeled soil moisture percentiles](#) as of August 6, 2016.

### Soil Moisture Data: NRCS [Soil Climate Analysis Network \(SCAN\)](#)



Soil moisture (at 2-, 4-, 8-, 20-, and 40-inch depths) and precipitation for the past 30 days at the [Glacial Ridge Scan site 2050](#) in Minnesota. The precipitation events in July and early August have increased soil moisture at all soil moisture sensor depths. All soil sensors show drying between larger events during this period.

### Soil Moisture Data Portals

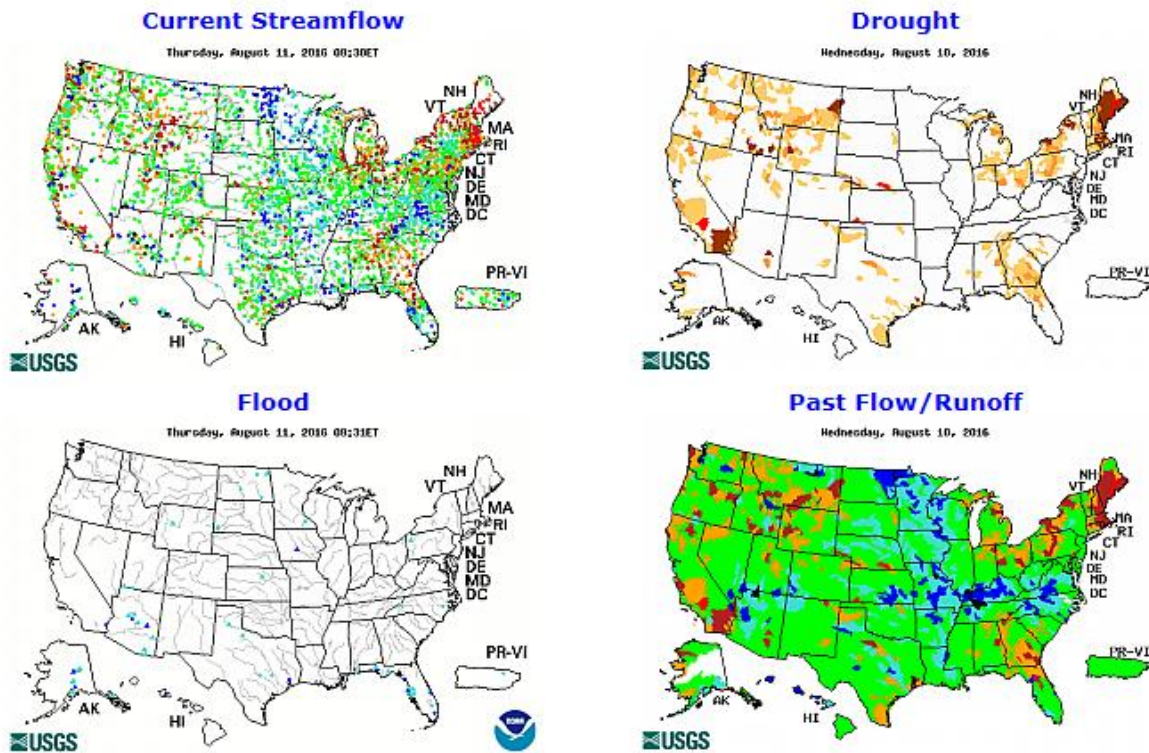
[CRN Soil Moisture](#)

[Texas A&M University North American Soil Moisture Database](#)

[University of Washington Experimental Modeled Soil Moisture](#)

## Streamflow

Source: USGS



Click to enlarge and display legends

[Current streamflow maps](#)

## Current Reservoir Storage

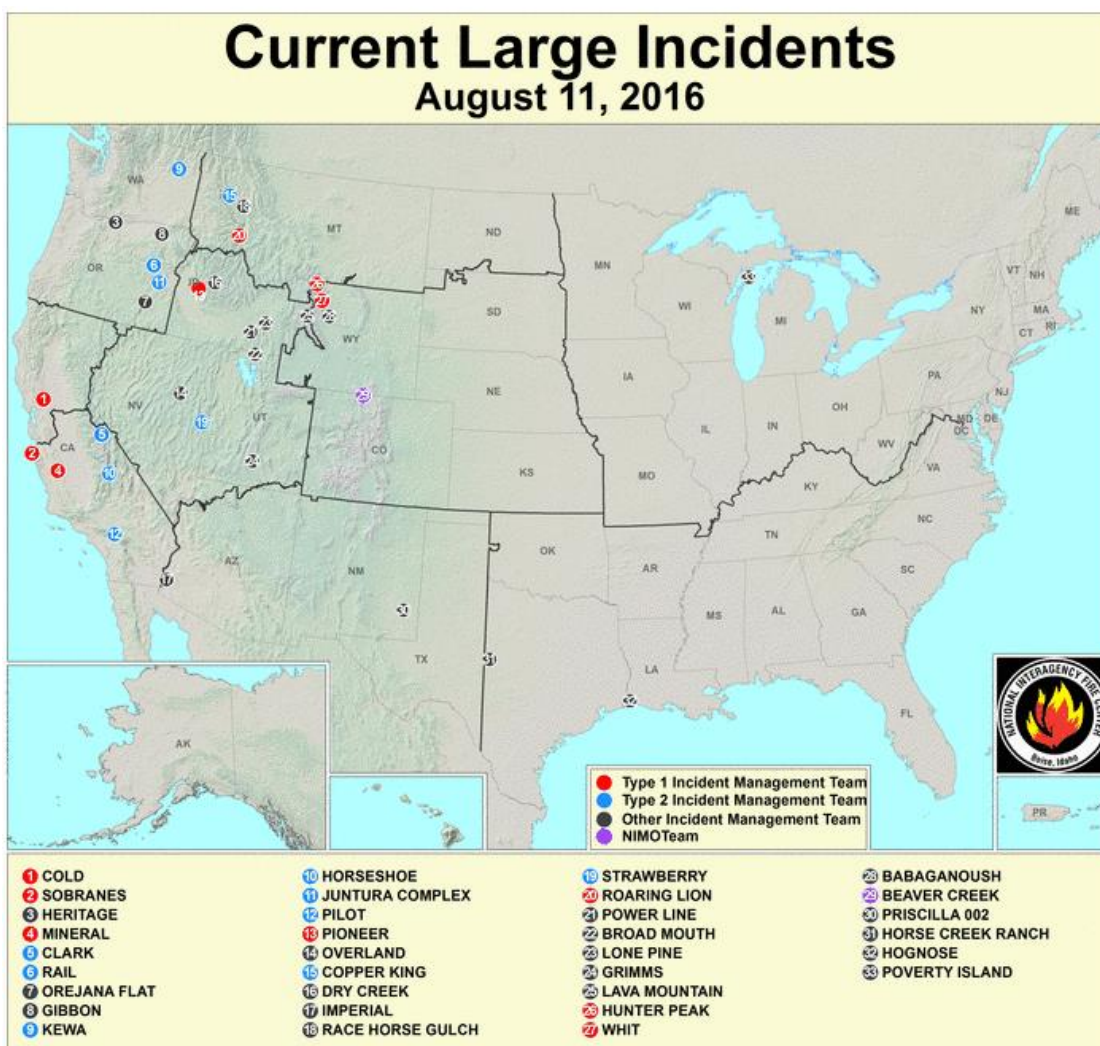
[National Water and Climate Center Reservoir Data](#)

U.S. Bureau of Reclamation Hydromet Tea Cup Reservoir Depictions:

[Upper Colorado](#)  
[Pacific Northwest/Snake/Columbia](#)  
[Sevier River Water, Utah](#)  
[Upper Missouri, Kansas, Oklahoma, Texas](#)

[California Reservoir Conditions](#)

Wildfires: [USDA Forest Service Active Fire Mapping](#)



## Short- and Long-Range Outlooks

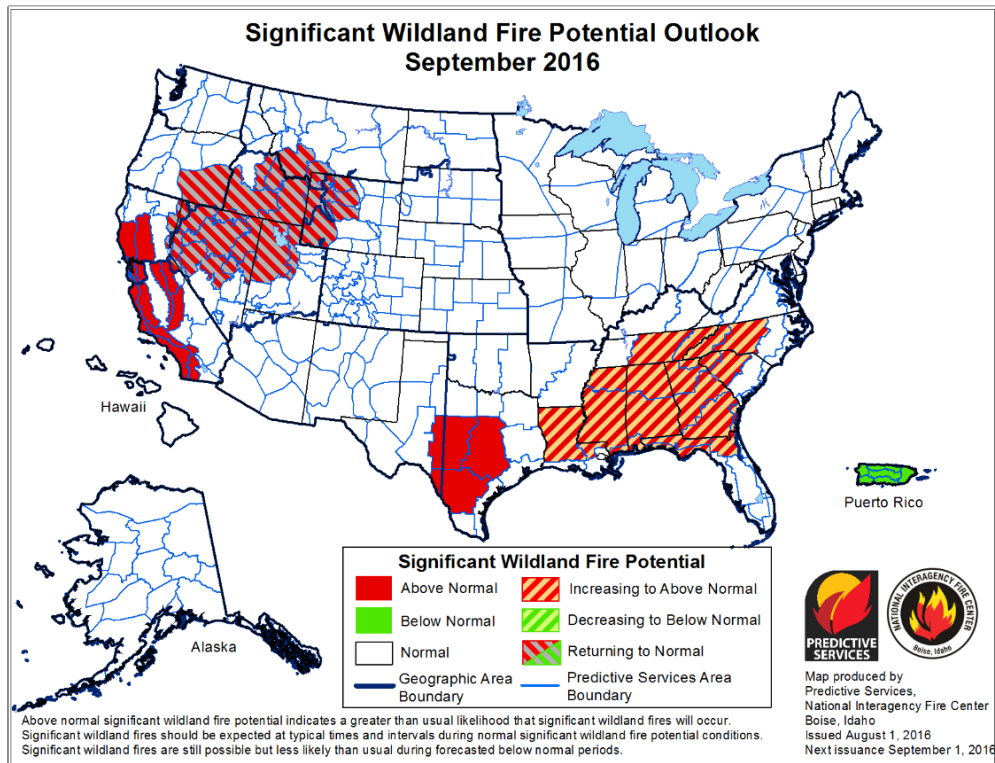
### Agricultural Weather Highlights

Author: Brad Rippey, Agricultural Meteorologist, USDA/OCE/WAOB

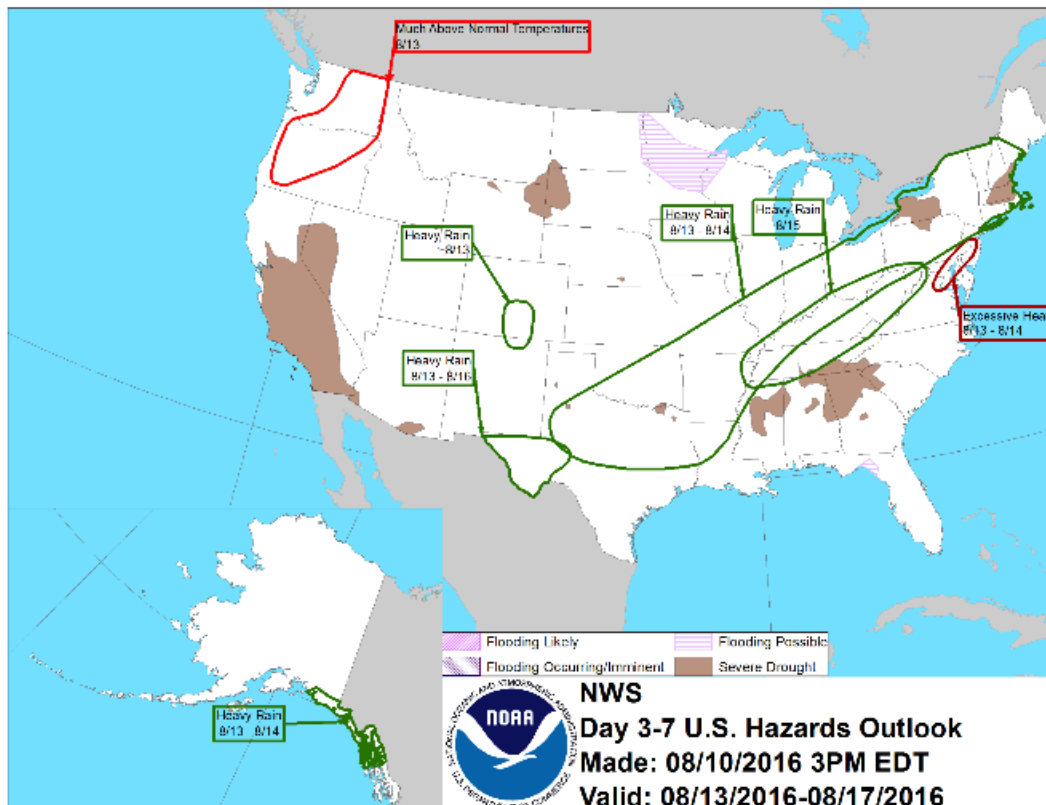
**National Outlook, August 11, 2016:** “The interaction between a Southern low-pressure system, the Southwestern monsoon circulation, and a cold front will maintain an active weather pattern in many areas. Five-day rainfall totals could reach 4 to 8 inches in the central Gulf Coast region and 2 to 6 inches from the southern Plains to New England. Midwestern rainfall totals of 2 to 4 inches can be expected, with higher amounts possible in the Ohio Valley. In contrast, little or no rain should occur in the southern Mid-Atlantic region and from the Pacific Coast to the northern Plains. Hot weather will return across much of the West and persist through the weekend in the eastern U.S., but cooler conditions will overspread the nation’s mid-section. The NWS 6- to 10-day outlook for August 16 – 20 calls for near- to above normal temperatures nationwide, except for cooler-than-normal conditions from the southern Rockies to the northern Mississippi Delta. Meanwhile, near- to below-normal rainfall across Florida’s peninsula and in most areas from the Pacific Coast into the Midwest and Northeast will contrast with wetter-than-normal weather in a small portion of the north-central U.S. and from southern sections of the Rockies and Plains to the Atlantic Coast from Georgia to New Jersey.”



Fire Potential Outlook: [September 2016](#)



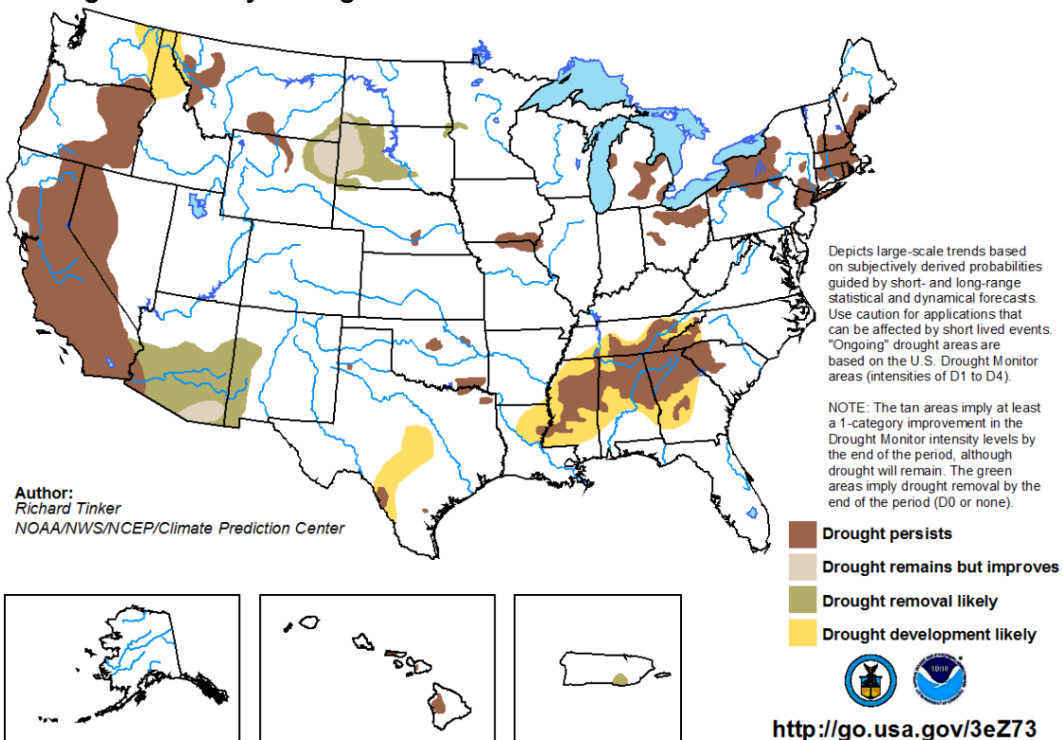
NWS Climate Prediction Center [Weather Hazard Outlook: August 13 - 17, 2016](#)



Seasonal Drought Outlook: [July 21 – October 31, 2016](#)

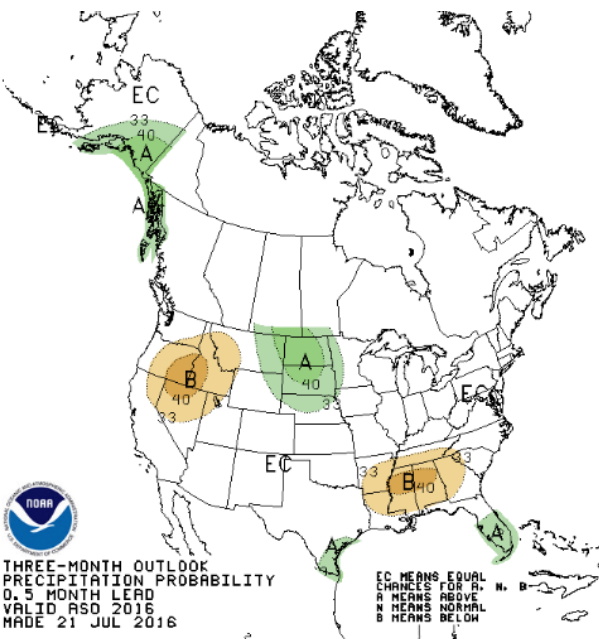
**U.S. Seasonal Drought Outlook**  
Drought Tendency During the Valid Period

Valid for July 21 - October 31, 2016  
Released July 21, 2016

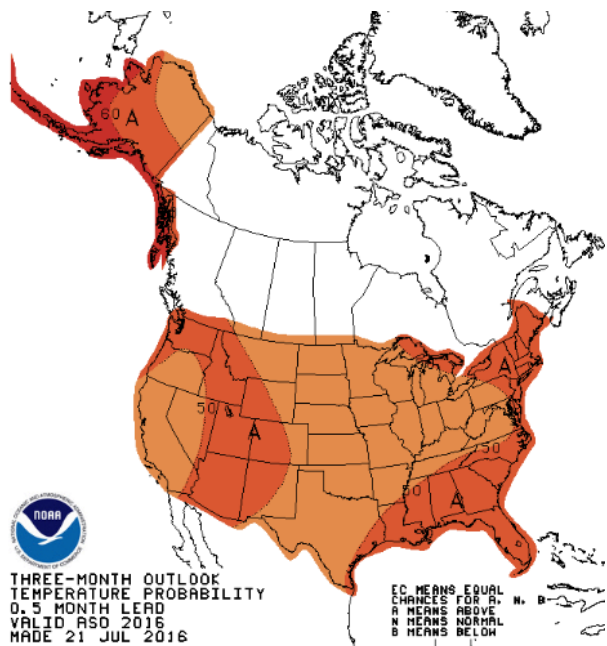


NWS Climate Prediction Center 3-Month Outlook

[Precipitation](#)



[Temperature](#)



[August-September-October \(ASO\) 2016  
precipitation outlook summary](#)

[August-September-October \(ASO\) 2016  
temperature outlook summary](#)

## More Information

The NRCS [National Water and Climate Center](#) publishes this weekly report. We welcome your feedback. If you have questions or comments, please [contact us](#).